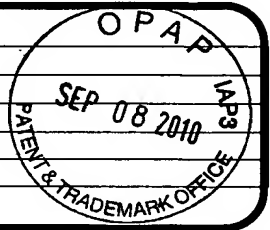


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		Filing Date	2/7/2005
		First Named Inventor	Michael TESAR
		Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet	1	of	3
		Attorney Docket Number	047744-0125



## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	C1	7,084,257 B2	08/01/2006	Deshpande et al.	
	C2	7,091,323 B2	08/15/2006	Pan et al.	
	C3	7,262,278 B2	08/28/2007	Tawara et al.	

## UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	C4	11/920,830	5/24/2006	Tesar et al.	
	C5	12/089,806	10/12/2006	Tesar et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	C6	WO 00/048631 A2	08/24/2000	Isis Innovation Limited		
	C7	WO 01/05950 A2	01/25/2001	Morphosys AG		
	C8	WO 2004/003019 A2	01/08/2004	Domantis Limited		

## NON PATENT LITERATURE DOCUMENTS

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	C9	Brorson et al., "Mutational Analysis of Avidity and Fine Specificity of Anti-Levan Antibodies," J. Immunol., 1999, 163:6694-6701.	
	C10	Brummel et al., "Probing the combining site of an anti-carbohydrate antibody by saturation-mutagenesis: role of the heavy-chain CDR3 residues," Biochemistry, 1993, 32:1180-1187, PubMed abstract, 2 pages.	
	C11	Burks et al., "In vitro scanning saturation mutagenesis of an antibody binding pocket," Proc. Natl. Acad. Sci. USA, January 1997, 94:412-417.	
	C12	Casset et al., "A peptide mimetic of an anti-CD4 monoclonal antibody by rational design," Biochemical and Biophysical Research Communications, 2003, 307:198-205.	

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				<b>Art Unit</b>	Unassigned
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	C13	Chen et al., "Selection and Analysis of an Optimized Anti-VEGF Antibody: Crystal Structure of an Affinity-matured Fab in Complex with Antigen," J. Mol. Biol., 1999, 283:865-881.	
	C14	Colman, P.M., "Effects of amino acid sequence changes on antibody-antigen interactions," Research in Immunol., 1994, 145:33-36.	
	C15	DePascalis et al., "Grafting of 'Abbreviated' Complementarity-Determining Regions Containing Specificity-Determining Residues Essential for Ligand Contact to Engineer a Less Immunogenic Humanized Monoclonal Antibody," J. Immunol., 2002, 169:3076-3084.	
	C16	Dufner et al., "Harnessing phage and ribosome display for antibody optimization," Trends in Biotechnology, 2006, 24(11):523-529.	
	C17	Holm et al., "Functional mapping and single chain construction of the anti-cytokeratin 8 monoclonal antibody TS1," Molecular Immunology, 2007, 44:1075-1084.	
	C18	Jang et al., "The structural basis for DNA binding by an anti-DNA autoantibody," Molecular Immunology, 1998, 35:1207-1217.	
	C19	Kobayashi et al., "Tryptophan H33 plays an important role in pyrimidine (6-4) pyrimidone photoproduct binding by a high-affinity antibody," Protein Engineering, 1999, 12(10):879-884.	
	C20	Kumar et al., "Molecular Cloning and Expression of the Fabs of Human Autoantibodies in <i>Escherichia coli</i> ," J. Biol. Chem., 2000, 275:35129-35136.	
	C21	MacCallum et al., "Antibody-antigen Interactions: Contact Analysis and Binding Site Topography," J. Mol. Biol., 1996, 262:732-745.	
	C22	Smith-Gill et al., "Contributions of Immunoglobulin Heavy and Light Chains to Antibody Specificity for Lysozyme and Two Haptens," J. Immunol., October 15, 1987, 139:4135-4144.	
	C23	Song et al., "Light Chain of Natural Antibody Plays a Dominant Role in Protein Antigen Binding," Biochemical and Biophysical Research Communications, 2000, 268:390-394.	
	C24	Vajdos et al., "Comprehensive Functional Maps of the Antigen-binding Site of an Anti-ErbB2 Antibody Obtained with Shotgun Scanning Mutagenesis," J. Mol. Biol., 2002, 320:415-428.	
	C25	Ward et al., "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> ," Nature, 1989, 341:544-546.	

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	C26	Wu et al. "Humanization of a Murine Monoclonal Antibody by Simultaneous Optimization of Framework and CDR Residues," J. Mol. Biol., 1999, 294:151-162.	

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